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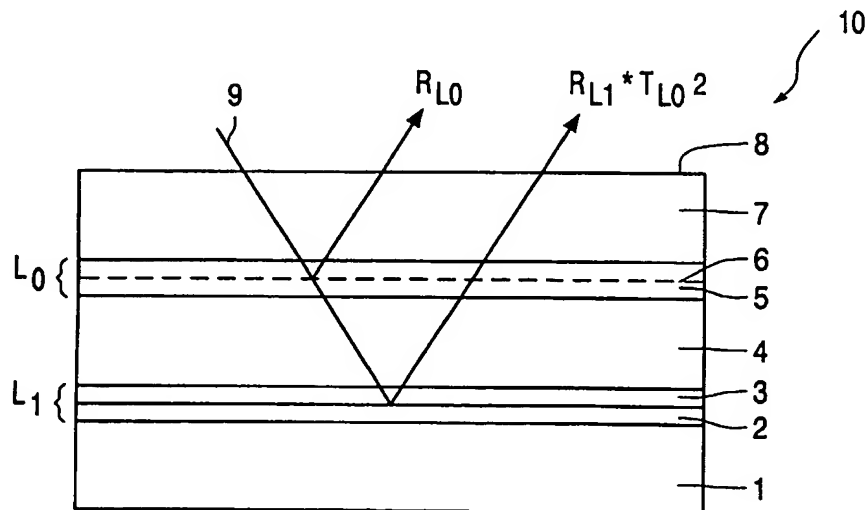
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- (71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **TIEKE, Benno** [DE/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **MARTENS, Hubert, C., F.** [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (74) Agent: **DEGUELLE, Wilhelmus, H., G.**; Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
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(54) Title: OPTICAL DATA STORAGE MEDIUM FOR WRITE ONCE RECORDING



(57) Abstract: A dual-stack optical data storage medium (10) for write-once recording using a focused radiation beam (9) entering through an entrance face (8) of the medium is described. The medium comprises at least one substrate (1, 7) with present on a side thereof a first recording stack (2) named L_0 , comprising a write-once type L_0 recording layer (3) with an absorption k_{L0} and a second recording stack (5) named L_1 comprising a write-once type L_1 recording layer (6) with an absorption k_{L1} . The first recording stack L_0 has an optical reflection value R_{L0} and an optical transmission value T_{L0} and the second recording stack has an optical reflection value R_{L1} . The first recording stack is present at a position closer to the entrance face (8) than the second recording stack. When the following conditions are fulfilled: $0.45 = T_{L0} = 0.75$ and $0.40 = R_{L1} = 0.80$ and $k_{L0} < 0.3$ and $k_{L1} < 0.3$ a dual stack write-once medium is achieved which can be played in a standard DVD-ROM player. Several stack designs are described fulfilling the above conditions.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	EP 1 118 987 A (SONY CORP)	1-3
A	25 July 2001 (2001-07-25) column 1, line 25 -column 3, line 33; figures 1-5 column 7, line 18 -column 8, line 39	4-20
Y	US 6 226 239 B1 (NISHIUCHI KENICHI ET AL)	1-3
A	1 May 2001 (2001-05-01) column 13, line 56 -column 18, line 41 column 41, line 28 -column 42, line 19; figures 1,5	4-20
Y	US 5 627 817 A (ROSEN HAL J ET AL)	1-3
A	6 May 1997 (1997-05-06) column 4, line 44 -column 10, line 17; figures 1-6	4-20
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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Moje, A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 846 627 A (HONG GILBERT H) 8 December 1998 (1998-12-08) column 6, line 12 -column 11, line 56; figures 1,3,6 -----	1-20

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